

## Dante 64 in 64 Out Open Architecture DSP Network Audio Processor



S-TRACK® is top 3 audio processor factory in China. S-TRACK® Dante 64 In 64 Out Open Architecture DSP Network Audio Processor, we call it PUMA. Most powerful DSP in the world, some people call it audio matrix, they are all same. S-TRACK® Dante 64 In 64 Out Open Architecture DSP Network Audio Processor(PUMA) can do OEM for customer, production volume for one model will be 1000pcs per week . Leadtime is 10days.

## S-TRACK® Dante 64 In 64 Out Open Architecture DSP Network Audio Processor(PUMA) Product Introduction:

Dante 64 In 64 Out Open Architecture DSP Network Audio Processor is S-TRACK®

latest and most advanced model, with most powerful DSP chip , AFC+AEC+ANC builtin,

open structure software is very popular in the market ,passed most Certs like

CE,ROHS,FCC etc.

## S-TRACK® Dante 64 In 64 Out Open Architecture DSP Network Audio Processor(PUMA) Processor Parameters:

Number of Analog Channels	16-CH Balanced/Line Output; Inputs+64 Outputs	Input+16-CH Balanced/Line Number of Dante Channels: 64
Sampling Rate	48k@24bit	
Front Stage	60dB (3dB for each gear, 20 gears in total)	

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Magnification	
Phantom Power Supply	48V
Frequency Response	20Hz ~ 20K Hz, $\pm 0.3\text{dB}$
THD+N	$\leq 0.005\%$ @1k, 4dBu
Digital Dynamic Range (A-weighted)	114dB
Analog Dynamic Range (A-weighted)	120dB
Input Impedance (Balanced Type)	20k $\Omega$
Output Impedance (Balanced Type)	100 $\Omega$
EIN (A-weighted)	$\leq -125$ dBu
Channel Isolation	100dB @ 1k Hz, 4dBu
Common Mode Rejection	70dB @ 80 Hz
Maximum Input Level	18dBu
Maximum Output Level	18dBu
Background Noise	- 90dBu
System Delay	$\leq 9\text{ms}$
Working Power Supply	AC110V-220V, 50Hz/60Hz

Operating Temperature	0-40 °C
Chassis Size (W x D x H)	482 * 258 * 45 (mm)

## **S-TRACK® Dante 64 In 64 Out Open Architecture DSP Network Audio Processor(PUMA) Product Features:**

1. Open signal process design, do what you want.
2. Visual user control interface design to easily meet customer needs.
3. Support built-in multi-channel recording&broadcasting.
4. It supports real-time monitoring of any signal, and debugging is no longer blind.
5. The IP address&device name are displayed on the screen, and there is no concern about not finding the device.
6. Built in all required software, no more disc loss.
7. DSP is highly optimized, and worry free processing reaches 3400 multi segment equilibrium.
8. Open websocket protocol control, easy cloud platform integration, support RS232, RS485, UDP central control.
9. Independent dual control network ports, easy network backup.
10. Dual Gigabit Ethernet ports, redundant backup for network audio transmission.
11. Built in graphic equalization, parameter equalization, high-low pass filtering, all pass filtering, FIR filtering, frequency division, noise gate, pressure limiter, multi-function mixer,

automatic mixing, adaptive echo cancellation, multiple feedback elimination algorithms

(notch, adaptive filtering), etc.

12. Built in USB sound card, supporting recording and playing function, playing and recording paths are optional, and recording storage space is displayed in real time.

13. Support real-time feedback of audio dynamic level.

14. Support real-time analysis of signal spectrum of each channel.

## **S-TRACK® Dante 64 In 64 Out Open Architecture DSP Network Audio Processor(PUMA) Key Points of Bidding Price Control:**

a. Analog input and output channels shall not be less than 16 \* 16.

b. DANTE input and output channels shall not be less than 64 \* 64.

c. Input and output sampling rate shall not be lower than 48KHz/24bit.

d. Built in B/S service is required to support WEB service.

e. Input gain 3dB step size, not less than 20 gears, 60dB.

f. Support notch feedback algorithm, howling suppression with no less than 16 howling suppression points.

g. Digital analog dynamic range is not less than 114dB.

h. The analog dynamic range is not less than 120dB.

i. Not less than two USB interfaces, supporting both USB disk problem reading and USB sound card mode, and the number of USB channels is not less than 8.

j. At least 8 configurable GPIO interfaces, supporting software configuration signal direction.

K. Provide no less than three third-party control protocols, and support websocket, UDP, HTTP, RS232/485 protocol control.

## **S-TRACK® Dante 64 In 64 Out Open Architecture DSP Network Audio Processor(PUMA) Applications:**

Local long-distance transmission, with DBOX, DMIC, etc., to achieve long-distance transmission in buildings and communities, suitable for large-scale multi-system interconnection projects such as hotels, supermarkets, gymnasiums, transportation hubs, theme parks, corporate headquarters, administrative centers, and learning.

